Table 26.—Cattle slaughter concentration: 4, 8, 20, and 50 largest firms, selected years, 1980–2001

Year	Top 4 firms			Top 8 firms			Top 20 firms			Top 50 firms			All reporting firms					Comm.
	Plants	Head	Conc.[1]	Plants	Head	Conc.[1]	Plants	Head	Conc.[1]	Plants	Head	Conc.[1]	Plants	Firms	Head	Share[2]	HHI[3]	sltr.[4]
	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	- - -No.- - -		Mil.	Pct.	Index	Mil.
Concentration based on procurement data reported to GIPSA[5]																		
1980	23	9.6	28.4	47	14.0	41.3	65	17.6	52.2	108	21.9	64.7	743	667	30.8	91.0	361	33.8
1985	20	14.2	39.0	29	18.0	49.6	55	23.6	65.0	95	28.3	77.9	538	477	34.3	94.4	617	36.3
1990	26	19.5	58.6	37	22.5	67.8	54	26.3	79.0	90	29.7	89.5	387	344	31.9	95.9	1,118	33.2
1994	30	23.2	67.8	39	25.4	74.3	55	28.6	83.6	88	31.3	91.5	289	239	32.4	94.8	1,460	34.2
1995	30	24.0	67.3	36	26.2	73.6	51	29.7	83.4	84	32.7	91.9	279	230	33.8	94.9	1,437	35.6
1996	32	24.8	67.7	39	27.2	74.4	54	31.2	85.4	90	34.6	94.6	274	222	35.7	97.7	1,437	36.6
1997	31	24.4	67.1	38	27.0	74.5	54	31.1	85.6	87	34.0	93.7	258	211	35.0	96.5	1,415	36.3
1998	31	24.6	69.2	39	27.3	77.0	54	30.9	87.2	86	33.4	94.2	216	175	34.1	96.1	1,469	35.5
1999	27	25.1	69.3	34	27.9	77.3	49	31.8	87.8	85	34.3	94.8	203	165	34.8	96.2	1,444	36.2
2000	25	25.2	69.6	35	28.4	78.4	48	32.4	89.5	82	34.9	96.3	189	155	35.3	97.4	1,437	36.2
Concentration based on federally inspected slaughter data[6]																		
1992	27	21.1	64.3	35	23.7	72.1	51	27.1	82.4	84	30.2	91.8	971	950	32.1	97.6	1,369	32.9
1994	28	23.5	68.7	36	25.8	75.6	51	29.4	85.9	84	32.3	94.7	882	861	33.8	99.0	1,482	34.2
1995	31	24.6	69.0	37	26.9	75.4	52	30.4	85.4	84	33.4	93.7	836	812	34.9	97.9	1,505	35.6
1996	32	24.3	66.4	39	26.7	73.0	54	30.8	84.2	82	34.2	93.4	812	790	35.7	97.6	1,402	36.6
1997	31	24.6	67.6	38	27.2	74.9	54	31.2	85.9	82	34.2	94.1	822	799	35.6	97.9	1,420	36.3
1998	30	24.7	69.5	37	27.1	76.5	52	30.9	87.1	81	33.7	95.0	795	769	34.8	98.1	1,475	35.5
1999	28	25.4	70.4	35	28.3	78.4	49	32.1	88.7	76	34.6	95.8	759	735	35.5	98.2	1,477	36.2
2000	25	25.1	69.4	36	28.5	78.5	49	32.4	89.3	77	34.8	96.1	738	716	35.6	98.3	1,420	36.2
2001	24	24.0	67.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	723	NA	34.8	98.3	NA	35.4

NA denotes data not available. Mil. denotes millions.
[1] Conc. = concentration, which is the percentage of total commercial slaughter accounted for by the firms included in the stated size group.
[2] Share = percentage of total commercial slaughter.
[3] HHI (Herfindahl-Hirschman Index) equals the sum of each firm's squared percentage share of total commercial slaughter.
[4] Comm. sltr. = total commercial slaughter of cattle during the calendar year.
[5] Numerator values are number of head procured for slaughter during each firm's reporting (fiscal) year.
[6] Numerator values are number of head slaughtered in calendar year. Number of plants may differ from data reported to GIPSA due to timing of plant openings and closings.

Source: Annual reports filed with GIPSA; U.S. Department of Agriculture, Livestock Slaughter, Annual Summary, National Agricultural Statistics Service, MTAN 1-2-1; and federally inspected slaughter data from National Agricultural Statistics Service. (GIPSA-SR-02-2)

Table 27.—Steer and heifer slaughter concentration: 4, 8, 20, and 50 largest firms, selected years, 1980–2001

Year	Top 4 firms			Top 8 firms			Top 20 firms			Top 50 firms			All reporting firms					Comm. sltr.[4]
	Plants	Head	Conc.[1]	Plants	Head	Conc.[1]	Plants	Head	Conc.[1]	Plants	Head	Conc.[1]	Plants	Firms	Head	Share[2]	HHI[3]	
	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	- - -No.- - -		Mil.	Pct.	Index	Mil.
Concentration based on procurement data reported to GIPSA[5]																		
1980	23	9.5	35.7	47	13.8	51.4	66	17.1	64.1	103	20.3	75.9	626	561	24.5	91.5	561	26.7
1985	20	14.1	50.2	29	18.0	63.9	50	22.1	78.4	91	25.3	89.9	436	389	27.0	96.0	999	28.1
1990	26	19.1	71.6	36	21.9	82.1	52	24.4	91.5	84	25.5	95.4	310	275	25.8	96.6	1,661	26.7
1994	25	22.3	80.9	32	24.2	87.5	44	25.6	92.5	78	26.0	94.1	229	195	26.1	94.6	2,096	27.6
1995	27	22.8	79.3	32	24.7	86.1	44	26.6	92.9	81	27.2	95.0	216	182	27.3	95.4	1,982	28.7
1996	28	23.0	80.4	34	25.1	87.8	46	27.5	96.1	84	28.2	98.7	211	174	28.3	99.2	1,987	28.6
1997	27	22.8	78.4	33	25.1	86.3	45	27.2	93.4	79	27.7	95.4	195	162	27.8	95.7	1,899	29.1
1998	25	23.1	80.0	32	25.5	88.1	45	27.0	93.6	77	27.5	95.2	165	136	27.6	95.5	1,925	28.9
1999	23	24.0	80.6	29	26.5	88.9	41	28.3	95.0	75	28.8	96.5	157	130	28.8	96.7	1,920	29.8
2000	23	24.6	81.7	29	27.2	90.3	41	29.0	96.2	74	29.3	97.5	143	119	29.4	97.6	1,966	30.1
Concentration based on federally inspected slaughter data[6]																		
1992	27	20.5	77.8	35	22.8	86.7	48	24.8	94.0	76	25.4	96.3	937	919	25.7	97.6	2,016	26.4
1994	27	22.5	81.7	33	24.5	88.6	45	26.3	95.1	73	26.7	96.9	848	828	27.0	97.9	2,100	27.6
1995	28	23.2	80.8	33	25.2	87.7	45	27.1	94.7	71	27.8	97.0	801	783	28.1	97.9	2,036	28.7
1996	28	22.5	78.8	34	24.6	86.1	45	26.9	94.0	72	27.6	96.7	780	765	27.9	97.6	1,935	28.6
1997	27	23.1	79.5	33	25.5	87.8	45	27.6	95.0	70	28.2	97.1	787	772	28.8	97.9	1,927	29.1
1998	25	23.2	80.4	31	25.4	88.1	43	27.5	95.1	70	28.1	97.3	758	743	28.3	98.1	1,936	28.9
1999	24	24.2	81.3	30	26.8	89.9	42	28.6	95.8	72	29.0	97.4	730	711	29.3	98.2	1,942	29.8
2000	23	24.5	81.4	30	27.2	90.3	42	29.0	96.4	70	29.4	97.6	711	695	29.6	98.3	1,939	30.1
2001	22	23.3	80.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	702	NA	28.5	98.3	NA	29.0

NA denotes data not available. Mil. denotes millions.

[1] Conc. = concentration, which is the percentage of total commercial slaughter accounted for by the firms included in the stated size group.

[2] Share = percentage of total commercial slaughter.

[3] HHI (Herfindahl-Hirschman Index) equals the sum of each firm's squared percentage share of total commercial slaughter.

[4] Comm. sltr. = total commercial slaughter of fed and non-fed steers and heifers during the calendar year.

[5] Numerator values are number of head procured for slaughter during each firm's reporting (fiscal) year.

[6] Numerator values are number of head slaughtered in calendar year. Number of plants may differ from data reported to GIPSA due to timing of plant openings and closings.

Source: Annual reports filed with GIPSA; U.S. Department of Agriculture, Livestock Slaughter, Annual Summary, National Agricultural Statistics Service, MTAN 1-2-1; and federally inspected slaughter data from National Agricultural Statistics Service. (GIPSA-SR-02-2)

Table 28.—Cow and bull slaughter concentration: 4, 8, 20, and 50 largest firms, selected years, 1980–2001

Year	Top 4 firms			Top 8 firms			Top 20 firms			Top 50 firms			All reporting firms					Comm.
	Plants	Head	Conc.[1]	Plants	Head	Conc.[1]	Plants	Head	Conc.[1]	Plants	Head	Conc.[1]	Plants	Firms	Head	Share[2]	HHI[3]	sltr.[4]
	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	- - -No.- - -		Mil.	Pct.	Index	Mil.
Concentration based on procurement data reported to GIPSA[5]																		
1980	5	0.7	9.7	14	1.3	18.3	31	2.5	35.2	67	3.9	55.5	622	579	6.3	89.0	89	7.1
1985	12	1.4	17.2	18	2.2	27.0	32	3.7	45.4	68	5.4	65.7	458	426	7.2	88.9	160	8.1
1990	9	1.3	20.4	17	2.2	33.2	29	3.8	57.6	64	5.3	81.4	324	307	6.1	93.4	223	6.6
1994	13	1.7	26.3	20	2.7	41.1	34	4.5	67.8	67	5.9	90.0	229	205	6.3	95.5	320	6.6
1995	11	1.6	23.4	18	2.7	38.5	32	4.7	67.6	64	6.1	88.2	219	198	6.5	93.1	293	7.0
1996	15	2.2	28.0	22	3.4	42.4	35	5.6	70.5	66	7.1	88.2	212	188	7.4	92.5	362	8.0
1997	14	2.2	30.6	21	3.4	47.5	35	5.5	75.3	66	6.9	95.2	195	175	7.2	99.6	413	7.3
1998	14	2.2	32.7	21	3.3	50.7	35	5.3	80.1	65	6.3	95.8	163	146	6.5	98.6	463	6.6
1999	14	1.8	28.6	18	3.1	48.1	30	4.9	77.3	63	5.8	91.5	152	137	5.9	93.7	391	6.3
2000	12	2.0	32.0	16	3.2	51.7	29	5.0	81.4	61	5.8	94.7	138	127	5.9	96.4	454	6.1
Concentration based on federally inspected slaughter data[6]																		
1992	12	1.5	23.6	16	2.4	37.3	32	4.1	62.8	62	5.6	86.2	877	866	6.3	97.6	271	6.5
1994	12	1.6	24.8	16	2.6	39.4	31	4.4	67.5	62	6.0	90.4	799	790	6.4	97.9	306	6.6
1995	14	1.9	27.6	19	2.9	42.0	34	4.9	70.0	64	6.3	91.1	752	743	6.8	97.9	346	7.0
1996	15	2.4	29.4	20	3.5	44.2	35	5.8	72.0	65	7.3	91.1	732	723	7.8	97.6	387	8.0
1997	17	2.2	30.2	22	3.3	45.8	37	5.3	72.4	66	6.7	91.9	729	717	7.1	97.9	391	7.3
1998	18	2.2	32.9	22	3.3	50.0	38	5.1	77.9	67	6.2	93.4	687	671	6.5	98.1	455	6.6
1999	15	2.0	31.0	23	3.2	50.8	34	5.0	79.5	64	6.0	94.2	660	648	6.2	98.2	437	6.3
2000	14	2.0	32.0	18	3.2	52.0	32	4.9	79.6	60	5.8	94.5	630	620	6.0	98.3	456	6.1
2001	10	2.3	35.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	628	NA	6.3	98.3	NA	6.4

NA denotes data not available. Mil. denotes millions.
[1] Conc. = concentration, which is the percentage of total commercial slaughter accounted for by the firms included in the stated size group.
[2] Share = percentage of total commercial slaughter.
[3] HHI (Herfindahl-Hirschman Index) equals the sum of each firm's squared percentage share of total commercial slaughter.
[4] Comm. sltr. = total commercial slaughter of cows and bulls during the calendar year.
[5] Numerator values are number of head procured for slaughter during each firm's reporting (fiscal) year.
[6] Numerator values are number of head slaughtered in calendar year. Number of plants may differ from data reported to GIPSA due to timing of plant openings and closings.

Source: Annual reports filed with GIPSA; U.S. Department of Agriculture, Livestock Slaughter, Annual Summary, National Agricultural Statistics Service, MTAN 1-2-1; and federally inspected slaughter data from National Agricultural Statistics Service. (GIPSA-SR-02-2)

Table 29.—Calf slaughter concentration: 4, 8, 20, and 50 largest firms, reporting slaughter packers, selected reporting years, 1980–2000

Year	Top 4 firms			Top 8 firms			Top 20 firms			Top 50 firms			All reporting firms					Comm.
	Plants	Head	Conc.[1]	Plants	Head	Conc.[1]	Plants	Head	Conc.[1]	Plants	Head	Conc.[1]	Plants	Firms	Head	Share[2]	HHI[3]	sltr.[4]
	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	- - -No.- - -		Mil.	Pct.	Index	Mil.
1980	16	0.8	31.0	20	1.1	44.9	36	1.6	62.5	68	2.0	78.3	295	273	2.2	86.7	339	2.6
1985	22	1.1	31.1	32	1.4	42.6	49	2.1	62.0	101	2.7	78.7	270	219	2.8	83.4	349	3.4
1990	7	0.6	31.1	12	0.8	47.2	41	1.3	71.5	73	1.6	90.6	194	169	1.7	93.8	416	1.8
1994	7	0.3	24.3	16	0.5	40.2	41	0.8	65.9	78	1.0	76.2	137	108	1.0	76.9	300	1.3
1995	8	0.4	27.9	16	0.6	43.4	40	1.1	75.2	82	1.3	89.0	133	100	1.3	89.9	383	1.4
1996	4	0.3	19.1	11	0.6	33.5	41	1.1	63.6	86	1.4	77.8	133	97	1.4	78.4	237	1.8
1997	5	0.3	21.9	10	0.6	38.0	31	1.0	66.5	70	1.2	77.9	111	90	1.2	78.4	268	1.6
1998	5	0.3	23.6	9	0.6	41.8	26	1.0	71.2	56	1.2	79.5	82	76	1.2	79.6	312	1.5
1999	5	0.4	29.6	11	0.6	48.4	29	1.0	75.5	60	1.1	82.6	84	74	1.1	82.7	386	1.3
2000	5	0.4	33.4	9	0.6	54.6	25	0.9	80.1	55	1.0	85.1	69	64	1.0	85.1	467	1.1

Mil. denotes millions.
[1] Conc. = concentration, which is the percentage of total commercial slaughter accounted for by the firms included in the stated size group.
[2] Share = percentage of total commercial slaughter. Numerator values are for firms' reporting years.
[3] HHI (Herfindahl-Hirshman Index) equals the sum of each firm's squared percentage share of total commercial slaughter.
[4] Comm. sltr. = total commercial slaughter of calves during the calendar year.

Source: Annual reports filed with GIPSA and U.S. Department of Agriculture, Livestock Slaughter, Annual Summary, National Agricultural Statistics Service, MTAN 1-2-1.

(GIPSA-SR-02-2)

Table 30.—Hog slaughter concentration: 4, 8, 20, and 50 largest firms, selected years, 1980–2001

Year	Top 4 firms			Top 8 firms			Top 20 firms			Top 50 firms			All reporting firms					Comm.
	Plants	Head	Conc.[1]	Plants	Head	Conc.[1]	Plants	Head	Conc.[1]	Plants	Head	Conc.[1]	Plants	Firms	Head	Share[2]	HHI[3]	sltr.[4]
	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	- - -No.- - -		Mil.	Pct.	Index	Mil.
Concentration based on procurement data reported to GIPSA[5]																		
1980	27	32.3	33.6	39	48.9	50.9	60	68.4	71.2	102	85.7	89.2	509	446	92.9	96.7	436	96.1
1985	23	27.2	32.2	32	42.9	50.8	64	68.0	80.5	105	77.4	91.6	403	338	80.4	95.2	456	84.5
1990	16	34.3	40.3	24	49.5	58.1	48	70.5	82.8	88	77.5	91.0	335	290	80.2	94.2	593	85.1
1994	17	42.4	44.3	27	64.5	67.4	42	81.8	85.5	80	87.1	91.0	254	217	89.2	93.2	734	95.7
1995	17	43.8	45.5	27	66.8	69.4	42	84.1	87.3	81	89.5	92.9	245	209	91.6	95.1	754	96.3
1996	19	45.8	49.6	27	64.0	69.2	42	77.7	84.1	79	81.8	88.5	232	200	83.5	90.4	797	92.4
1997	19	49.9	54.3	28	69.6	75.7	43	82.4	89.6	80	86.1	93.7	218	184	87.8	95.5	969	92.0
1998	18	54.4	53.9	27	76.1	75.4	48	87.7	86.8	79	90.7	89.8	182	152	91.8	90.9	960	101.0
1999	18	57.7	56.8	27	80.6	79.4	43	93.7	92.3	79	97.0	95.5	172	143	98.0	96.5	1,045	101.5
2000	19	55.9	57.1	28	78.6	80.3	48	89.6	91.4	80	92.7	94.6	187	154	93.9	95.8	1,047	98.0
Concentration based on federally inspected slaughter data[6]																		
1992	17	42.2	44.4	24	59.7	62.9	41	82.1	86.5	75	89.6	94.4	921	908	92.6	97.6	702	94.9
1994	16	42.6	44.5	25	65.2	68.2	40	84.4	88.2	72	90.8	94.9	830	821	93.4	97.6	743	95.7
1995	16	44.0	45.7	28	67.5	70.1	43	85.1	88.4	76	91.8	95.3	802	784	94.2	97.8	769	94.2
1996	19	51.1	55.3	25	67.4	72.9	38	82.7	89.5	74	88.2	95.4	770	754	90.5	98.1	961	92.4
1997	19	49.8	54.2	26	69.6	75.7	40	84.2	91.6	74	88.2	95.9	767	754	90.2	98.3	976	92.0
1998	18	56.8	56.3	25	78.9	78.1	40	92.5	93.6	75	97.1	96.3	757	744	99.3	98.3	1,036	101.0
1999	18	57.0	56.2	25	79.7	78.5	42	94.3	92.9	74	97.8	96.3	728	708	99.7	98.2	1,020	101.5
2000	19	55.2	56.4	27	78.3	79.9	44	91.5	93.4	77	94.8	96.7	717	696	96.4	98.4	1,033	98.0
2001	18	55.6	56.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	699	NA	96.5	98.5	NA	98.0

NA denotes data not available. Mil. denotes millions.

[1] Conc. = concentration, which is the percentage of total commercial slaughter accounted for by the firms included in the stated size group.

[2] Share = percentage of total commercial slaughter.

[3] HHI (Herfindahl-Hirschman Index) equals the sum of each firm's squared percentage share of total commercial slaughter.

[4] Comm. sltr. = total commercial slaughter of hogs during the calendar year.

[5] Numerator values are number of head procured for slaughter during each firm's reporting (fiscal) year.

[6] Numerator values are number of head slaughtered in calendar year. Number of plants may differ from data reported to GIPSA due to timing of plant openings and closings.

Source: Annual reports filed with GIPSA; U.S. Department of Agriculture, Livestock Slaughter, Annual Summary, National Agricultural Statistics Service, MTAN 1-2-1; and federally inspected slaughter data from National Agricultural Statistics Service.

(GIPSA-SR-02-2)

Table 31.—Sheep and lamb slaughter concentration: 4, 8, 20, and 50 largest firms, selected years, 1980–2001

Year	Top 4 firms			Top 8 firms			Top 20 firms			Top 50 firms			All reporting firms					Comm.
	Plants	Head	Conc.[1]	Plants	Head	Conc.[1]	Plants	Head	Conc.[1]	Plants	Head	Conc.[1]	Plants	Firms	Head	Share[2]	HHI[3]	sltr.[4]
	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	- - -No.- - -		Mil.	Pct.	Index	Mil.
Concentration based on procurement data reported to GIPSA[5]																		
1980	8	3.1	55.9	12	4.6	82.8	24	5.3	95.7	54	5.4	97.4	195	190	5.5	97.7	1,050	5.6
1985	6	3.2	51.2	11	4.9	80.2	23	5.9	94.9	53	5.9	96.4	157	154	6.0	96.6	983	6.2
1990	10	4.0	70.2	14	4.4	77.5	26	4.6	80.8	58	4.6	81.6	138	130	4.6	81.8	1,580	5.7
1994	6	3.7	75.5	10	4.2	85.5	23	4.5	90.6	55	4.6	92.2	110	105	4.6	92.3	1,880	4.9
1995	6	3.6	77.9	10	4.1	89.7	22	4.3	94.0	53	4.4	95.6	98	94	4.4	95.6	1,917	4.6
1996	5	3.1	73.1	9	3.4	81.3	21	3.7	87.8	53	3.7	89.3	95	92	3.7	89.4	1,654	4.2
1997	4	2.4	62.4	8	2.9	73.3	20	3.1	79.0	51	3.1	80.6	82	81	3.2	80.6	1,291	3.9
1998	5	2.5	66.8	9	3.1	80.3	21	3.2	85.2	51	3.3	86.2	69	68	3.3	86.2	1,415	3.8
1999	5	2.6	69.2	9	3.0	80.1	21	3.1	84.7	51	3.2	85.8	67	66	3.2	85.8	1,415	3.7
2000	5	2.4	69.8	9	2.8	81.5	22	3.0	85.7	53	3.0	86.6	62	59	3.0	86.6	1,416	3.5
Concentration based on federally inspected slaughter data[6]																		
1992	8	3.9	71.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	748	NA	5.3	96.2	NA	5.5
1994	6	3.6	72.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	652	NA	4.8	96.3	NA	4.9
1995	6	3.3	71.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	617	NA	4.4	96.2	NA	4.6
1996	5	3.0	72.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	593	NA	4.1	97.1	NA	4.2
1997	5	2.5	64.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	572	NA	3.8	97.7	NA	3.9
1998	5	2.6	68.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	556	NA	3.7	96.5	NA	3.8
1999	5	2.5	67.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	561	NA	3.6	96.1	NA	3.7
2000	5	2.3	67.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	541	NA	3.3	95.6	NA	3.5
2001	5	2.1	66.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	538	NA	3.1	95.1	NA	3.2

NA denotes data not available. Mil. denotes millions.

[1] Conc. = concentration, which is the percentage of total commercial slaughter accounted for by the firms included in the stated size group.

[2] Share = percentage of total commercial slaughter.

[3] HHI (Herfindahl-Hirschman Index) equals the sum of each firm's squared percentage share of total commercial slaughter.

[4] Comm. sltr. = total commercial slaughter of sheep and lambs during the calendar year.

[5] Numerator values are number of head procured for slaughter during each firm's reporting (fiscal) year.

[6] Numerator values are number of head slaughtered in calendar year. Number of plants may differ from data reported to GIPSA due to timing of plant openings and closings.

Source: Annual reports filed with GIPSA; U.S. Department of Agriculture, Livestock Slaughter, Annual Summary, National Agricultural Statistics Service, MTAN 1-2-1; and federally inspected slaughter data from National Agricultural Statistics Service.

(GIPSA-SR-02-2)

Table 32.—Boxed fed beef production concentration: 4, 8, 20, and 50 largest firms, reporting slaughter packers, 1980–2000 reporting years

Year	Top 4 firms			Top 8 firms			Top 20 firms			Top 50 firms			All reporting firms					Total
	Plants[1]	Head	Conc.[2]	Plants[1]	Head	Conc.[2]	Plants[1]	Head	Conc.[2]	Plants[1]	Head	Conc.[2]	Plants[1]	Firms	Head	Share[3]	HHI[4]	beef[5]
	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	- - -No.- - -		Mil.	Pct.	Index	Mil.
1980	11	7.2	52.9	22	9.3	67.9	39	11.5	84.1	72	11.9	87.4	97	75	12.0	87.7	1,220	13.7
1981	14	8.6	57.1	23	10.7	71.1	39	13.0	86.3	70	13.4	89.2	90	70	13.5	89.4	1,359	15.1
1982	13	9.6	59.1	20	12.0	73.7	37	14.3	87.7	69	14.8	90.6	87	68	14.8	90.8	1,323	16.3
1983	14	11.2	60.2	19	13.7	73.6	34	16.3	87.6	65	16.8	90.7	86	71	16.9	90.8	1,382	18.6
1984	17	12.1	61.7	23	14.9	75.7	38	17.8	90.6	71	18.5	93.9	94	73	18.5	94.2	1,439	19.6
1985	15	12.8	61.5	24	16.4	78.7	39	19.4	93.2	72	20.1	96.2	90	68	20.1	96.3	1,527	20.9
1986	16	14.7	67.4	22	18.5	85.2	35	20.7	95.0	67	21.1	96.8	82	65	21.1	96.8	1,691	21.8
1987	23	18.0	79.5	28	20.0	88.6	41	21.5	95.4	72	21.9	97.0	97	74	21.9	97.1	1,981	22.6
1988	21	18.5	79.3	28	20.6	88.7	41	22.1	95.1	71	22.5	96.6	98	77	22.5	96.7	2,030	23.3
1989	20	18.1	79.2	27	20.2	88.2	41	21.7	94.7	71	22.0	96.1	91	70	22.0	96.2	1,979	22.9
1990	24	18.3	79.3	28	20.5	88.7	41	22.1	96.0	71	22.4	97.1	81	60	22.4	97.1	1,988	23.1
1991	22	18.5	78.7	26	20.4	87.1	38	22.4	95.3	69	22.8	97.2	90	70	22.8	97.3	1,958	23.5
1992	22	19.4	81.4	26	21.5	90.0	38	23.0	96.4	69	23.2	97.2	69	50	23.2	97.2	2,163	23.8
1993	20	19.8	82.7	25	21.8	90.7	37	23.0	96.0	NA	NA	NA	62	45	23.1	96.4	2,236	24.0
1994	21	21.3	85.7	26	23.0	92.5	38	24.1	97.1	NA	NA	NA	57	39	24.2	97.5	2,340	24.8
1995	21	22.1	84.3	25	23.8	90.9	37	25.3	96.7	NA	NA	NA	55	38	25.4	97.0	2,208	26.2
1996	21	22.4	82.3	26	24.6	90.4	41	26.6	97.9	NA	NA	NA	63	42	26.8	98.4	2,061	27.2
1997	21	22.0	82.6	26	24.2	90.8	38	26.1	97.9	70	26.4	98.8	72	52	26.4	98.8	2,088	26.7
1998	21	22.4	84.2	27	24.5	92.4	39	26.0	98.0	NA	NA	NA	64	44	26.2	98.5	2,108	26.6
1999	20	23.0	84.3	26	25.3	92.6	39	26.9	98.5	NA	NA	NA	61	42	27.0	98.8	2,076	27.3
2000	21	23.7	84.7	27	26.1	93.3	40	27.7	99.1	NA	NA	NA	62	41	27.8	99.4	2,082	28.0

NA denotes data not applicable because there were fewer than 50 firms. Mil. denotes millions.

[1] May include processing plants that do not slaughter.

[2] Conc. = concentration, which is the percentage of total boxed beef production accounted for by the firms included in the stated size group. Numerator values are for firms' reporting years.

[3] Share = percentage of total U.S. boxed beef production. Numerator values are for firms' reporting years.

[4] HHI (Herfindahl-Hirschman Index) equals the sum of each firm's squared percentage share of total U.S. boxed beef production.

[5] Includes all U.S. production during the calendar year by slaughtering and nonslaughtering fabricators, but not retail stores.

(GIPSA-SR-02-2)

Table 33.—Livestock purchase concentration: 4, 8, 20, and 50 largest[1] firms, reporting slaughter packers, 1980–2000 reporting years

Year	Top 4 firms			Top 8 firms			Top 20 firms			Top 50 firms			All reporting firms					Total
	Plants[2]	Purc.[3]	Conc.[4]	Plants[2]	Purc.[3]	Conc.[4]	Plants[2]	Purc.[3]	Conc.[4]	Plants[2]	Purc.[3]	Conc.[4]	Plants[2]	Firms	Purc.[3]	Share[5]	HHI[6]	U.S. purc.[7]
	No.	Bil. dol.	Pct.	No.	Bil. dol.	Pct.	No.	Bil. dol.	Pct.	No.	Bil. dol.	Pct.	- - No. - -		Bil. dol.	Pct.	Index	Bil. dol.
1980	47	8.3	25.5	74	13.0	40.0	110	17.2	53.0	163	21.2	65.3	983	810	30.1	92.6	285	32.5
1981	40	9.0	27.2	73	13.6	41.3	106	18.0	54.4	160	22.5	68.2	913	744	30.6	92.5	308	33.0
1982	38	9.4	28.3	69	14.0	42.1	102	18.7	56.4	154	23.4	70.3	898	717	31.2	93.8	322	33.2
1983	41	10.4	30.4	64	13.9	40.7	99	18.8	55.1	162	23.6	69.3	909	709	31.1	91.4	370	34.0
1984	40	11.3	33.5	61	14.8	43.8	106	20.3	59.9	181	24.9	73.5	882	674	31.7	93.6	447	33.8
1985	37	11.0	34.0	51	14.3	44.1	103	20.4	63.0	176	25.2	77.9	817	615	30.8	95.0	464	32.4
1986	35	11.8	37.0	49	15.1	47.6	95	20.7	65.2	156	25.1	78.8	751	555	30.1	94.7	523	31.8
1987	50	16.4	47.3	71	19.4	56.0	102	24.2	69.8	156	28.2	81.4	737	144	33.2	95.8	759	34.7
1988	47	17.7	49.1	71	21.0	58.1	98	25.5	70.6	150	29.6	82.0	720	537	34.7	96.0	825	36.1
1989	45	18.7	51.2	66	21.9	60.0	92	26.0	71.1	138	30.1	82.3	650	508	34.7	94.8	869	36.6
1990	46	20.5	53.1	65	24.0	62.0	92	28.4	73.5	131	32.8	84.7	629	497	36.8	95.2	942	38.7
1991	43	21.3	54.9	60	24.6	63.5	83	29.2	75.5	119	33.3	85.9	594	468	36.9	95.2	1,006	38.7
1992	46	22.7	59.4	58	25.6	67.0	83	29.7	77.6	121	33.5	87.5	573	437	36.6	95.6	1,176	38.3
1993	48	24.9	62.9	60	27.9	70.3	83	31.6	79.8	120	35.1	88.6	535	407	37.8	95.4	1,239	39.6
1994	51	25.1	62.7	62	28.2	70.3	85	32.5	81.1	121	35.5	88.6	507	373	37.9	94.5	1,219	40.1
1995	49	23.0	62.1	58	25.9	69.9	78	29.7	80.2	115	32.9	88.8	492	360	35.2	94.9	1,209	37.1
1996	49	22.9	62.2	62	26.3	71.4	77	30.0	81.3	122	33.1	89.8	481	348	35.2	95.5	1,214	36.8
1997	49	23.7	61.0	62	28.4	72.9	76	32.0	82.3	119	35.1	90.3	444	331	37.2	95.6	1,170	38.9
1998	48	22.4	63.1	62	26.6	74.9	81	29.7	83.7	124	32.1	90.3	373	279	33.6	94.5	1,208	35.5
1999	44	22.5	65.8	57	26.2	76.4	75	29.2	85.1	112	31.5	91.9	357	267	32.9	96.0	1,316	34.3
2000	43	25.7	66.0	57	30.1	77.2	77	33.6	86.2	115	36.2	93.0	347	263	37.7	96.7	1,314	39.0

[1] Based on total amount spent for all livestock slaughtered.
[2] May include processing plants that do not slaughter.
[3] Purc. = livestock purchases.
[4] Conc. = concentration, which is the percentage of total commercial slaughter livestock value accounted for by the firms included in the stated size group.
[5] Share = percentage of total U.S. livestock purchases. Numerator values are for firms' reporting years.
[6] HHI (Herfindahl-Hirschman Index) equals the sum of each firm's squared percentage share of total livestock purchases.
[7] Total value of all livestock purchased for slaughter by reporting packers during their reporting years, plus the value of livestock slaughtered by nonreporting packers during the calendar year, based on reported average prices and weights.

Source: U.S. Department of Agriculture, Livestock Slaughter, National Agricultural Statistics Service, various issues; U.S. Department of Agriculture, Agricultural Prices, National Agricultural Statistics Service, various issues; and annual reports filed with GIPSA. (GIPSA-SR-02-2)

Table 34.—Sales, expenses, and operating income of 4, 8, 20, and 40 largest[1] meatpacking firms, 2000 reporting year

Item	1st – 4th	5th – 8th	9th – 20th	21st – 40th	Top 8	Top 20	Top 40
				Percent of sales			
Net sales	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Cost of sales							
Livestock purchases	66.90	49.77	40.05	60.27	63.73	60.03	60.04
Total cost of sales	81.48	67.15	75.92	77.14	78.83	78.38	78.30
Gross income	18.52	32.85	24.08	22.17	21.17	21.62	21.70
Operating expenses:							
Manufacturing	9.57	15.55	6.32	11.88	10.67	9.99	10.10
Advertising & selling expenses	1.02	8.40	6.62	2.74	2.39	3.05	3.03
General & administrative	2.84	1.76	4.13	2.92	2.64	2.87	2.88
Depreciation & amortization	0.58	1.10	0.64	0.83	0.68	0.67	0.68
Interest	0.57	0.78	0.57	0.73	0.61	0.60	0.61
Other	2.47	3.11	2.36	2.48	2.59	2.55	2.55
Total operating expenses	17.05	31.36	20.64	21.70	19.69	19.84	19.95
Operating income (loss)[2]	1.47	1.48	3.44	1.16	1.47	1.78	1.74

Note: Reported financial figures may include information on operations other than meat packing.
[1] Ranking determined by total amount spent for all livestock slaughtered.
[2] Operating income (loss) equals gross income per dollar of sales minus total operating expenses per dollar of sales.

(GIPSA-SR-02-2)

Table 35.—Selected financial ratios for 4, 8, 20, and 40 largest[1] meatpacking firms, 2000 reporting year

Item	1st – 4th	5th – 8th	9th – 20th	21st – 40th	Top 8	Top 20	Top 40
Net sales per $ of assets	4.767	3.161	2.942	3.626	4.358	4.053	4.025
Net sales per $ of equity	10.098	9.328	4.329	7.950	9.946	8.269	8.249
Gross income per $ of sales	0.185	0.328	0.241	0.229	0.212	0.216	0.217
Gross income per $ of assets	0.883	1.038	0.708	0.829	0.922	0.876	0.873
Gross income per $ of equity	1.870	3.064	1.042	1.817	2.105	1.788	1.790
Total operating expenses per $ of sales	0.170	0.314	0.206	0.217	0.197	0.198	0.200
Total operating expenses per $ of assets	0.813	0.992	0.607	0.787	0.858	0.804	0.803
Total operating expenses per $ of equity	1.721	2.926	0.893	1.725	1.959	1.641	1.646
Operating income per $ of sales	0.015	0.015	0.034	0.012	0.015	0.018	0.017
Operating income per $ of assets	0.070	0.047	0.101	0.042	0.064	0.072	0.070
Operating income per $ of equity	0.149	0.139	0.149	0.092	0.147	0.147	0.144
Equity to asset ratio	0.472	0.339	0.680	0.456	0.438	0.490	0.488

Note: Reported financial figures may include information on operations other than meat packing.
[1] Ranking determined by total amount spent for all livestock slaughtered.

(GIPSA-SR-02-2)

Table 36.—Gross income of 4, 8, 20, and 40 largest[1] meatpacking firms, 1992–2000 reporting years

Year	1st – 4th	5th – 8th	9th – 20th	21st – 40th	Top 8	Top 20	Top 40
				Percent of sales			
1992	14.3	10.6	29.2	18.7	13.8	17.2	17.4
1993	12.5	26.7	22.1	16.1	14.8	16.2	16.2
1994	14.6	26.4	23.9	14.6	17.5	18.5	18.3
1995	17.5	32.2	24.0	19.0	19.8	20.9	20.7
1996	13.9	27.6	24.0	17.2	16.1	17.4	17.4
1997	14.8	25.7	22.9	14.1	17.3	18.2	18.0
1998	16.2	31.6	26.3	16.5	19.1	20.3	21.0
1999	18.3	36.5	25.5	19.9	21.7	22.3	22.2
2000	18.5	32.8	24.1	22.9	21.2	21.6	21.7

Note: Reported financial figures may include information on operations other than meat packing.
[1] Ranking determined by total amount spent for all livestock slaughtered.

Table 37.—Total operating expenses of 4, 8, 20, and 40 largest[1] meatpacking firms, 1992–2000 reporting years

Year	1st – 4th	5th – 8th	9th – 20th	21st – 40th	Top 8	Top 20	Top 40
				Percent of sales			
1992	13.7	10.3	25.3	17.8	13.3	16.0	16.2
1993	11.9	24.4	19.3	15.7	13.9	14.9	15.0
1994	12.5	21.2	20.2	13.5	14.6	15.5	15.4
1995	14.2	28.3	19.0	17.3	16.4	17.0	17.1
1996	12.0	24.9	20.8	16.5	14.1	15.2	15.3
1997	13.8	23.1	19.1	13.2	15.7	16.3	16.1
1998	14.8	28.1	21.3	16.1	17.3	18.0	18.6
1999	16.0	32.6	21.5	18.9	19.1	19.5	19.4
2000	17.0	31.4	20.6	21.7	19.7	19.8	20.0

Note: Reported financial figures may include information on operations other than meat packing.
[1] Ranking determined by total amount spent for all livestock slaughtered.

Table 38.—Operating income of 4, 8, 20, and 40 largest[1] meatpacking firms, 1992–2000 reporting years

Year	1st – 4th	5th – 8th	9th – 20th	21st – 40th	Top 8	Top 20	Top 40
				Percent of sales			
1992	0.56	0.35	3.86	0.93	0.53	1.27	1.23
1993	0.68	2.30	2.80	0.38	0.94	1.29	1.21
1994	2.11	5.21	3.73	1.15	2.87	3.01	2.89
1995	3.33	3.91	5.05	1.67	3.43	3.83	3.69
1996	1.90	2.70	3.21	0.71	2.02	2.22	2.11
1997	1.22	2.63	3.72	0.85	1.53	1.90	1.83
1998	1.43	3.57	5.02	0.42	1.83	2.38	2.37
1999	2.35	3.86	3.98	1.09	2.63	2.86	2.75
2000	1.47	1.48	3.44	1.16	1.47	1.78	1.74

Note: Reported financial figures may include information on operations other than meat packing.

[1] Ranking determined by total amount spent for all livestock slaughtered.

PART II. LIVESTOCK MARKETING

Table 39.—Reported volume and value of marketings of slaughter and nonslaughter classes of livestock through firms selling on commission,[1] by region and State, 2000

State and region[2]	Cattle[3] and calves	Hogs and pigs	Sheep and lambs	Value of livestock
	- - - - - - - - - Thous. head	- - - - - - - - -		Thous. dol.
New England[4]	85	8	21	29,662
New Jersey	21	8	25	10,422
New York	513	12	18	149,899
Pennsylvania	598	165	73	278,575
North Atlantic	**1,217**	**193**	**137**	**468,558**
Illinois	499	717	48	385,987
Indiana	220	241	44	155,494
Michigan	543	0	72	292,907
Ohio	394	198	111	238,374
Wisconsin	1,038	49	75	445,943
East North Central	**2,694**	**1,205**	**350**	**1,518,705**
Iowa	1,637	669	155	1,066,068
Kansas	2,235	74	70	1,188,405
Minnesota	964	1,420	84	734,564
Missouri	2,550	463	52	1,379,410
Nebraska	2,467	1,405	33	1,476,773
North Dakota	809	22	97	469,023
South Dakota	2,805	967	416	1,860,441
West North Central	**13,466**	**5,020**	**906**	**8,174,683**
Delaware and Maryland	88	23	28	30,835
Florida	507	25	4	179,194
Georgia	664	52	45	299,530
North Carolina	562	467	40	201,884
South Carolina	231	53	41	963,512
Virginia	576	73	69	284,638
West Virginia	133	4	36	64,175
South Atlantic	**2,761**	**697**	**263**	**1,156,768**

See footnotes at end of table.

Continued—

Table 39.—Reported volume and value of marketings of slaughter and nonslaughter classes of livestock through firms selling on commission,[1] by region and State, 2000—continued

State and region[2]	Cattle[3] and calves	Hogs and pigs	Sheep and lambs	Value of livestock
	- - - - - - - -	Thous. head	- - - - - - - -	Thous. dol.
Alabama	962	8	46	382,044
Arkansas	918	36	25	324,860
Kentucky	1,069	58	44	515,771
Louisiana	326	33	14	140,518
Mississippi	736	27	37	273,798
Tennessee	929	19	62	417,356
South Central	**4,940**	**181**	**228**	**2,054,347**
Oklahoma	2,560	48	80	1,125,103
Texas	5,838	80	1,267	2,322,421
Southern Plains	**8,398**	**128**	**1,347**	**3,447,524**
Arizona	167	4	12	66,841
Colorado	2,067	18	101	1,106,004
Idaho	352	15	175	181,822
Montana	644	194	107	380,490
Nevada	38	0	22	17,158
New Mexico	477	2	19	217,108
Utah	84	4	18	44,144
Wyoming	497	1	32	335,764
Mountain	**4,326**	**238**	**486**	**2,349,331**
California	1,426	66	194	739,415
Oregon	171	3	20	83,567
Washington	141	4	10	61,807
Pacific	**1,738**	**73**	**224**	**884,789**
48 State Total	**39,539**	**7,735**	**3,941**	**20,054,704**

[1] Includes all auctions, terminal markets, video auctions, and country commission firms. A country commission firm is a market agency selling on commission that does not operate an auction or terminal market.
[2] Location of public markets. Livestock sold through a market in one State or region may move to other States or regions for further feeding, breeding, or slaughter.
[3] Cattle includes steers, heifers, cows, and bulls.
[4] Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

(GIPSA-SR-02-2)

Table 40.—Slaughter and nonslaughter livestock purchases, by reporting dealers and order buyers,[1] by region and State, 2000

State and region[2]	Value of livestock[3]: Bought on commission	Value of livestock[3]: Bought for own account	Value of livestock[3]: Total	Volume of purchases: Cattle[4] and calves	Volume of purchases: Hogs and pigs	Volume of purchases: Sheep and lambs
	- - - - - - Thousand dollars - - - - - -			- - - - - - Thousand head - - - - - -		
New England[5]	3,483	24,694	28,177	60	9	7
New Jersey	105	11,562	11,677	1	180	8
New York	21,714	77,874	99,588	604	7	10
Pennsylvania	51,172	249,653	300,825	861	343	140
North Atlantic	**76,474**	**363,783**	**440,257**	**1,526**	**540**	**165**
Illinois	41,866	560,805	602,671	596	2,115	51
Indiana	38,485	191,328	229,814	275	874	19
Michigan	29,516	320,318	349,835	386	1,184	97
Ohio	24,531	501,888	526,419	651	1,667	73
Wisconsin	71,800	380,645	452,445	1,020	205	31
East North Central	**206,198**	**1,954,984**	**2,161,182**	**2,928**	**6,045**	**271**
Iowa	208,528	1,012,061	1,220,588	1,619	3,700	349
Kansas	347,154	511,796	858,950	1,371	149	15
Minnesota	378,084	670,256	1,048,340	1,546	1,211	199
Missouri	150,890	708,554	859,444	1,672	1,556	3
Nebraska	480,244	796,664	1,276,908	1,901	1,574	45
North Dakota	254,569	168,685	423,255	747	13	16
South Dakota	525,219	660,940	1,186,183	1,818	1,438	221
West North Central	**2,344,687**	**4,528,981**	**6,873,668**	**10,674**	**9,642**	**848**
Delaware and Maryland	1,157	23,840	24,997	40	66	8
Florida	78,162	801,862	880,023	1,851	3	3
Georgia	47,595	174,928	222,523	696	125	6
North Carolina	36,317	95,285	131,602	232	675	15
South Carolina	206,764	65,380	272,144	195	53	2
Virginia	50,405	73,152	123,557	329	12	6
West Virginia	3,706	57,167	60,873	134	3	67
South Atlantic	**424,106**	**1,291,614**	**1,715,719**	**3,477**	**937**	**107**

See footnotes at end of table.

Continued—

Table 40.—Slaughter and nonslaughter livestock purchases, by reporting dealers and order buyers,[1] by region and State, 2000—continued

State and region[2]	Value of livestock[3] Bought on commission	Bought for own account	Total	Volume of purchases Cattle[4] and calves	Hogs and pigs	Sheep and lambs
	Thousand dollars			Thousand head		
Alabama	70,799	154,192	224,991	787	23	7
Arkansas	7,802	180,469	188,271	484	3	0
Kentucky	175,486	582,961	758,447	1,446	394	2
Louisiana	12,242	30,734	42,976	200	1	3
Mississippi	41,699	449,712	491,411	1,131	144	1
Tennessee	97,939	408,741	506,680	1,055	293	87
South Central	**405,967**	**1,806,809**	**2,212,776**	**5,103**	**858**	**100**
Oklahoma	368,120	510,754	848,874	2,036	120	0
Texas	308,093	1,684,598	1,992,691	5,371	296	800
Southern Plains	**676,213**	**2,195,352**	**2,871,565**	**7,408**	**416**	**800**
Arizona	9,481	102,541	112,022	216	1	43
Colorado	178,326	266,274	444,600	791	13	117
Idaho	92,907	236,058	328,965	566	3	124
Montana	123,309	503,012	626,321	1,220	68	244
Nevada	21,118	7,547	28,665	60	1	7
New Mexico	28,364	29,574	57,938	119	60	14
Utah	12,160	102,442	114,602	231	2	49
Wyoming	65,242	116,869	182,111	390	35	65
Mountain	**530,907**	**1,364,317**	**1,895,224**	**3,593**	**121**	**663**
California	104,929	390,126	495,055	1,217	55	78
Oregon	27,559	90,767	118,326	256	1	245
Washington	16,566	38,596	55,162	125	2	16
Pacific	**149,054**	**519,489**	**668,543**	**1,598**	**58**	**339**
48 State Total	**4,813,606**	**14,025,328**	**18,838,935**	**36,306**	**18,616**	**3,292**

[1] Dealers purchase livestock for resale on their own accounts. Order buyers purchase on a commission basis for others.
[2] Location of business addresses of dealers and order buyers. Total volume is allocated to one State even though firms can operate in more than one State.
[3] May include other species.
[4] Cattle includes steers, heifers, cows, and bulls.
[5] Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

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Table 41.—Reported volume and value of marketings by firms selling on commission[1] and by reporting dealers and order buyers,[2] 1993–2000

Item	1993	1994	1995	1996	1997	1998	1999	2000
Livestock marketed through firms selling on commission					Thousand head			
Cattle[3] and calves	40,319	45,060	40,407	42,234	39,162	38,477	41,112	39,539
Hogs and pigs	16,010	15,506	13,386	10,657	8,862	11,049	8,369	7,735
Sheep and lambs	5,175	5,153	4,625	5,735	3,973	4,340	4,397	3,941
					Thousand dollars			
Value of livestock	21,517,425	20,208,927	17,995,926	14,946,597	17,914,993	16,613,450	18,394,231	20,054,704
Livestock purchases by dealers and order buyers					Thousand head			
Cattle[3] and calves	37,709	31,679	30,344	33,349	37,619	30,743	34,586	36,306
Hogs and pigs	33,554	31,865	28,233	25,614	20,915	19,745	21,164	18,616
Sheep and lambs	3,915	4,269	4,003	4,198	3,992	2,702	3,369	3,292
Value of Livestock:					Thousand dollars			
Bought on commission	4,964,064	4,333,594	3,800,874	3,602,232	4,675,456	4,974,352	3,958,366	4,813,606
Bought for own account	15,625,548	13,726,170	12,460,890	11,155,572	13,083,692	10,792,972	12,501,792	14,025,328
Total	20,589,612	18,059,764	16,261,764	14,757,804	17,759,148	15,767,324	16,460,157	18,838,935

[1] Includes all auctions, terminal markets, video auctions, and country commission firms. A country commission firm is a market agency selling on commission that does not operate an auction or terminal market.
[2] Dealers purchase livestock for resale for their own accounts. Order buyers purchase on a commission basis for others.
[3] Cattle includes steers, heifers, cows, and bulls.

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PART III. ENTITIES REGISTERED WITH THE GRAIN INSPECTION, PACKERS AND STOCKYARDS ADMINISTRATION

Table 42.—Bonded packers, posted stockyards, and registered entities with GIPSA, as of September 30, 2001

State and region	Bonded packers[1]	Posted stockyards[2]	Entities registered with GIPSA: Bonded dealers and market agencies[3]				
			SOC only	SOC and BOC or dealer	Dealer and/or BOC[4]	Packer buyers[5]	Total registrants
	Number						
Connecticut	0	2	0	2	5	5	12
Maine	1	3	0	1	13	6	20
Massachusetts	2	4	3	1	12	3	19
New Hampshire	0	0	0	0	12	0	12
New Jersey	13	5	3	3	8	19	33
New York	13	37	11	17	140	25	193
Pennsylvania	31	39	27	16	149	95	287
Rhode Island	1	0	0	0	1	0	1
Vermont	2	7	3	3	51	6	63
North Atlantic	**63**	**97**	**47**	**43**	**391**	**159**	**640**
Illinois	17	37	24	21	166	155	366
Indiana	4	29	18	14	87	102	221
Michigan	6	23	9	19	41	36	105
Ohio	27	32	20	24	111	65	220
Wisconsin	14	29	14	32	279	66	391
East North Central	**68**	**150**	**85**	**110**	**684**	**424**	**1,303**
Iowa	11	80	31	39	317	468	855
Kansas	8	66	35	18	190	60	303
Minnesota	7	34	19	21	157	120	317
Missouri	7	109	55	32	170	74	331
Nebraska	6	55	19	42	242	169	472
North Dakota	3	17	11	7	77	11	106
South Dakota	4	47	19	34	175	69	297
West North Central	**46**	**408**	**189**	**193**	**1,328**	**971**	**2,681**
Delaware	0	2	2	0	1	0	3
Florida	9	19	16	5	56	19	96
Georgia	9	62	32	19	91	34	176
Maryland	4	8	4	3	23	11	41
North Carolina	14	31	24	9	49	38	120
South Carolina	5	29	24	6	25	20	75
Virginia	5	31	19	16	83	23	141
West Virginia	2	13	9	6	30	2	47
South Atlantic	**48**	**195**	**130**	**64**	**358**	**147**	**699**

See footnotes at end of table. Continued—

Table 42.—Bonded packers, posted stockyards, and registered entities with GIPSA, as of September 30, 2001—continued

State and region	Bonded packers[1]	Posted stockyards[2]	Entities registered with GIPSA: Bonded dealers and market agencies[3] SOC only	SOC and BOC or dealer	Dealer and/or BOC[4]	Packer buyers[5]	Total registrants
			Number				
Alabama	4	38	18	19	79	10	126
Arkansas	3	45	21	23	52	24	120
Kentucky	3	43	26	15	108	25	174
Louisiana	5	24	12	9	30	18	69
Mississippi	3	37	20	15	57	20	112
Tennessee	7	48	30	25	124	31	210
South Central	**25**	**235**	**127**	**106**	**450**	**128**	**811**
Oklahoma	3	72	56	25	150	20	251
Texas	26	177	110	55	310	42	517
Southern Plains	**29**	**249**	**166**	**80**	**460**	**62**	**768**
Arizona	0	7	6	4	17	6	33
Colorado	4	25	18	21	104	29	172
Idaho	4	18	9	11	162	22	204
Montana	3	16	15	14	242	8	279
Nevada	0	2	4	1	17	0	22
New Mexico	1	15	5	11	42	5	63
Utah	2	12	6	8	81	5	100
Wyoming	1	9	9	4	62	3	78
Mountain	**15**	**104**	**72**	**74**	**727**	**78**	**951**
California	28	54	29	29	125	59	242
Oregon	2	18	7	10	73	5	95
Washington	7	15	6	6	71	11	94
Pacific	**37**	**87**	**42**	**45**	**269**	**75**	**431**
Alaska	0	0	0	0	0	0	0
Hawaii	4	0	1	0	0	6	7
United States	**335**	**1,525**	**859**	**715**	**4,667**	**2,050**	**8,291**
Canada	3	0	0	1	8	1	10

[1] Packers, dealers, market agencies, and packer buyers are required to be bonded based on the volume of their livestock purchases. Subsidiaries or other separate operating units of merged firms may hold separate bonds. Number of bonded packers represents total number of bonded entities, so the number of bonded packers may be larger than number of firms as a result of separate bonding of subsidiaries.
[2] Includes terminal and auction markets located at stockyards. Excludes video and electronic auctions that are not operated at stockyards.
[3] SOC = market agencies selling on commission; BOC = market agencies buying on commission.
[4] Includes firms that provide clearing services. These firms provide bond coverage for dealers and market agencies buying on commission.
[5] Individual buyers employed by bonded packers; they are required to be registered with GIPSA. (GIPSA-SR-02-2)

Table 43.—Bonded packers, posted stockyards, registered entities with GIPSA, and bond coverage, 1991–2001

Item	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
	Number										
Entities registered with GIPSA:[1]											
Bonded dealers and market agencies[2]											
SOC only–	909	898	921	897	902	899	890	884	913	876	859
SOC and BOC or dealer	908	896	880	868	881	853	823	791	787	732	716
Dealer and/or BOC[3]	5,409	5,389	5,383	5,397	5,293	5,236	5,190	5,015	4,877	4,772	4,675
Packer buyers[4]	2,419	2,318	2,071	2,213	2,042	2,167	2,113	2,054	2,044	2,039	2,051
Total registrants	9,645	9,501	9,255	9,375	9,118	9,155	9,016	8,744	8,621	8,419	8,301
Bonded packers[5]	585	533	517	486	467	430	427	399	386	359	338
Posted stockyards[6]	1,614	1,581	1,617	1,620	1,589	1,560	1,574	1,582	1,548	1,519	1,525
	Million dollars										
Clause one bonds[7]	120.8	111.2	120.6	109.1	107.1	103.3	101.1	102.8	105.5	99.5	100.2
Clause two bonds[8]	157.1	151.2	150.4	149.8	139.2	133.3	130.4	132.5	131.4	128.6	127.6
Clause two/three bonds[9]	6.8	6.1	8.4	9.7	9.9	10.5	12.4	13.4	13.1	13.9	14.2
Clause four bonds[10]	312.4	311.7	300.4	302.5	300.5	377.4	387.2	304.5	301.3	300.4	318.2

[1] Beginning in 1998, includes registrants operating in Canada.
[2] SOC = market agencies selling on commission; BOC = market agencies buying on commission.
[3] Includes firms that provide clearing services. These firms provide bond coverage for some dealers and market agencies buying on commission.
[4] Individual buyers employed by bonded packers; they are required to be registered with GIPSA.
[5] Packers, dealers, market agencies, and packer buyers are required to be bonded based on the volume of their livestock purchases. Subsidiaries or other separate operating units of merged firms may hold separate bonds. Number of bonded packers represents total number of bonded entities, so the number of bonded packers may be larger than number of firms as a result of separate bonding of subsidiaries.
[6] Includes terminal and auction markets located at stockyards. Excludes video/electronic auctions that are not operated at a stockyard. Historical data revised from past issues.
[7] Cover selling-on-commission transactions.
[8] Cover buying-on-commission and dealer transactions.
[9] Cover buying-on-commission, dealer, and clearing-services transactions.
[10] Cover packer livestock purchase transactions.

(GIPSA-SR-02-2)